

66/06/00

Docket Number (Optional)

4093P2086

PATENT APPLICATION TRANSMITTAL LETTER

J6674 U.S. PTO

To the Commissioner of Patents and Trademarks:

Transmitted herewith for filing under 35 U.S.C. 111 and 37 CFR 1.53 is the patent application of

IRA W. BRADSHAW

entitled ACCOUNTING SYSTEM AND METHOD FOR CASINO GAME REVENUE

Enclosed are

24 pages of written description, claims and abstract.

8 sheets of drawings.

an assignment of the invention to _____

executed declaration of the inventors.

a certified copy of a _____ application.

power of attorney.

a verified statement to establish small entity status under 37 CFR 1.9 and 1.27.

information disclosure statement

preliminary amendment

other _____

CLAIMS AS FILED

	NUMBER FILED	NUMBER EXTRA	RATE	FEE
BASIC FEE (37 CFR 1.16(a))			\$ 760	\$ 760
TOTAL CLAIMS (37 CFR 1.16(c))	24 - 20 =	- 4 -	XS 18	72
INDEPENDENT CLAIMS (37 CFR 1.16(b))	6 - 3 =	- 3 -	XS 78	234
MULTIPLE DEPENDENT CLAIM PRESENT		(37 CFR 1.16(d))	\$ 260	
NUMBER EXTRA MUST BE ZERO OR LARGER			TOTAL	\$ 1,066
If applicant has small entity status under 37 CFR 1.9 and 1.27, then divide total fee by 2, and enter amount here.				TOTAL \$ 533

A check in the amount of \$ 533.00 to cover the filing fee is enclosed.

The Commissioner is hereby authorized to charge and credit Deposit Account No 23-0830 as described below. I have enclosed a duplicate copy of this sheet.

Charge the amount of \$ _____ as filing fee.

Credit any overpayment.

Charge any additional filing fees required under 37 CFR 1.16 and 1.17.

Charge the issue fee set in 37 CFR 1.18 at the mailing of the Notice of Allowance, pursuant to 37 CFR 1.311(b).

8/25/99

Date

Harry M. Weiss

Signature

Harry M. Weiss

Typed or printed name

4204 N. Brown Avenue

Address

Scottsdale, AZ 85251

09/385520

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9(f) and 1.27 (b)) - INDEPENDENT INVENTOR

Applicant or Patentee: IRA W. BRADSHAW

Serial or Patent No.: _____

Filed or Issued: _____

Title: ACCOUNTING SYSTEM AND METHOD FOR CASINO GAME REVENUE

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

the specification filed herewith with title as listed above.

the application identified above.

the patent identified above.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

No such person, concern, or organization exists.

Each such person, concern or organization listed below.

Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under

section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

IRA W. BRADSHAW

NAME OF INVENTOR

NAME OF INVENTOR

NAME OF INVENTOR

App 21 Enclosed Signature of Inventor Signature of Inventor Signature of Inventor

8/18/99

Data

Date

Date _____

卷之三

PATENT

1 ACCOUNTING SYSTEM AND METHOD FOR CASINO GAME REVENUE

2
3 BACKGROUND OF THE INVENTION4 1. Field of the Invention:

5 This invention provides for a system of recording the
6 transactions entering into the computation of a casinos table game
7 revenue/win or loss at the time a players cash or IOU, also
8 referred to as a marker, is inserted into a drop box at a gaming
9 table. Specifically, the invention relates to a computer system and
10 method for accounting for the flow of cash funds or credit from a
11 player to the casino in exchange for the casinos gaming chips at
12 the casino's gaming tables. The invention is suitable for or
13 adaptable to 21 or blackjack, craps and other table games such as
14 roulette.

15
16 2. Description of the Related Art:

17 Currently casinos generally perform a count of the contents of
18 all of the drop boxes of the entire casino at the end of the three
19 eight-hour shifts that make up the casino's day for accounting
20 purposes. The drop boxes would have been removed from the their
21 position fastened to the various gaming tables throughout the
22 casino and transferred to a count room where the count would take
23 place. The transactions occurring at the gaming tables between a
24 player and the casino (other than the betting transactions) that
25 ultimately determine a table game's win or loss are those involving

PATENT

1 the exchange of the casino's gaming chips and the player's cash or
2 credit. These transactions are standard to the gaming industry and
3 will generally be the same from casino to casino. The central issue
4 to this invention is that currently all casinos determine table
5 game revenue after the fact from the results of the count in the
6 count room at the end of the casino's day for accounting purposes.
7 The determination of gaming win or loss is the simple accounting
8 inventory process of measuring or accounting for the assets on hand
9 at each gaming table at the end of a period compared to those on
10 hand as measured and accounted for at the beginning of that period.
11 This process is described in the following paragraphs.

12 Beginning inventory: At the beginning of each shift each
13 table's chips and coin are counted and recorded on a table
14 inventory form. A copy of the inventory form is inserted in the
15 drop box of the table.

16 Exchange of cash for chips: A player tenders cash in exchange
17 for chips by placing the tendered cash on the gaming table. The
18 dealer takes the cash, removes the equivalent amount of chips from
19 the chip rack, slides them to the player, inserts the cash in the
20 drop box and the player enters into the betting transactions of the
21 game.

22 Exchange of credit for chips: A player with pre-established
23 credit comes to a gaming table and asks for credit. After proper
24 authorization a supervisory person prepares a pre-numbered marker
25 form in at least triplicate form in the amount of credit requested.

PATENT

1 The three parts are (a) Original, (b) Issue copy, and (c) Payment
2 copy. The marker form is signed by the player receiving the credit
3 and the casino individual who approves the extension of credit.

4 The original and the payment copy are retained in the pit by
5 the authorizing individual and the issue copy is signed or
6 initialed by the dealer. The dealer then slides chips in an amount
7 equivalent to the amount of credit entered on the marker to the
8 player and inserts the issue copy in the drop box.

9 Repayment of credit at a table: When a marker is paid in full
10 at a table, the payment copy will be annotated to include the
11 nature of the payment (cash, chips, etc.), the amount of payment,
12 and the table number at which the payment is received. It will be
13 signed by the pit supervisor acknowledging the payment and the
14 dealer receiving the payment. The dealer will then place the chips
15 in the chip rack, if paid by chips, or insert the cash in the drop
16 box if paid in cash. The dealer will then insert the payment copy
17 in the drop box.

18 When partial payments are made at a table, a new marker is
19 completed reflecting the remaining balance and the marker number of
20 the marker originally issued. After proper signing or initialing,
21 the dealer inserts the issue copy of the partial payment marker in
22 the drop box.

23 Transfer of chips from cashier's cage to a table: Transfers
24 from the cashier's cage to a table (fills) are initiated by a pit
25 supervisor through a request communicated to the cashier's cage.

PATENT

1 Fill slips are pre-numbered and are prepared in triplicate parts.
2 One part is transferred to the table with the amount of chips
3 requested. The chips are placed in the chip rack by the dealer.
4 After verification by the dealer the fill slip is signed or
5 initialed and inserted into the drop box.

6 Transfer of chips from a table to the cashier's cage:
7 Generally an order for the transfer of chips from a table to the
8 cashier's cage is initiated by a pit supervisor. The order is sent
9 to the cashier's cage where a transfer slip (credit slip) is
10 prepared in triplicate in the amount of the prospective transfer of
11 chips from a table. One part of the credit slip is transported to
12 the table. After verification of the amount the dealer removes the
13 appropriate amount of chips from the table chip rack and they are
14 transported to the cashier's cage by the appropriate casino person.
15 After the credit slip has been signed or initiated, the dealer
16 inserts it in the drop box.

17 Shift closing procedures: At the end of each shift each
18 table's chips and coins are again counted and recorded on a table
19 inventory form and inserted in the table's drop box.

20 Concurrently with the table inventory, all locked drop boxes
21 are removed from the tables by an authorized individual and are
22 replaced by empty drop boxes to be utilized for the next shift.

23 The removed drop boxes are transported directly to a count
24 room or other secure place and locked in a secure manner until the
25 count takes place.

PATENT

1 Counting and recording procedures: At the end of the three
2 shifts which comprise the casino's day for accounting purposes the
3 contents of each drop box are counted and the results are entered
4 on count sheets. The count sheets are then transferred to the
5 accounting department where the day's win or loss is recorded in
6 the casino's accounting records.

7 This process can be illustrated by a hypothetical win of
8 \$120,000 at typical table as determined by the counting and
9 recording of the contents of the drop box at the end of the
10 casino's day for accounting purposes. The count of the contents of
11 the drop box reveals the following:

12 Assets on hand, end of shift:

13 Inventory of chips and coin, end of shift	\$ 20,000
14 Cash per count	\$ 100,000
15 Credit slips for transfers of chips to cashier	\$ 10,000
16 Markers	<u>10,000</u>
17 Total assets included in count of drop box:	<u>\$ 140,000</u>

18

19 Assets on hand, beginning of shift (or added during shift):

20 Inventory of chips and coin	\$ 10,000
21 Fill slips for transfers from the cashier's cage	\$ 5,000
22 Markers repaid at the table	<u>\$ 5,000</u>
23 Total assets, beginning of shift or added 24 during shift:	<u>\$ 20,000</u>
25 Win of table for the shift:	<u>\$120,000</u>

PATENT

1 This hypothetical table win for a hypothetical shift
2 illustrates that a casino's daily win or loss is determined by
3 counting and tabulating the contents of each drop box of each
4 gaming table. The current system is dependent entirely on the
5 integrity of the count and the recordation of the contents of the
6 drop boxes. No independent record of the table transactions is
7 maintained in such a manner as to permit a predetermination of the
8 results of the transactions at a gaming table. The current system
9 depends entirely on the human element. i. e., the integrity of the
10 workers conducting the transactions, and internal controls
11 utilizing the people watching people concept. There is no
12 automated, independent means or recording and monitoring table game
13 transactions.

14 Therefore, a need exists to provide a more reliable and
15 precise accounting system and method which is capable of providing
16 real time information as to table game transactions, win/loss
17 information and trends, and providing a predetermined accounting of
18 the contents of each gaming table's drop boxes before the contents
19 of the drop box is counted.

BRITISH SUMMARY OF THE INVENTION

22 It is an object of the present invention to provide a system
23 and method for entering transaction data that occurs in relation to
24 a gaming table.

25 It is another object of the present invention to provide a

PATENT

1 system and method for tabulating the entered transaction data for
2 comparison to the inventory of gaming chips and receipts and cash
3 deposited in a gaming table lock box.

4 In accordance with one embodiment of the present invention, a
5 casino gaming table accounting system comprises a central computer
6 and a plurality of gaming terminals coupled to the central computer
7 where each of the plurality of gaming terminals is located in the
8 proximity of a gaming table. Each of the plurality of gaming
9 terminals comprises a data entry device for entering transaction
10 data for transactions that occur at the gaming table; a display for
11 displaying the entered transaction data; and at least one I/O port
12 for transmitting data to the central computer. The gaming terminal
13 is essentially a dumb device that simply transmits data to the
14 central computer and has little, if any, processing capability.

15 In accordance with another embodiment of the present
16 invention, a casino gaming table accounting system comprises a
17 central router and/or server and a plurality of gaming computers
18 coupled to the central router and/or server where each of the
19 plurality of gaming terminals is located in the proximity of a
20 gaming table. Each of the plurality of gaming computers
21 comprises a data entry device for entering transaction data for
22 transactions that occur at the gaming table; a display for
23 displaying the entered transaction data; a processor for executing
24 a software program wherein the processor reads and stores the
25 entered transaction data; a memory array for storing the entered

PATENT

1 transaction data; and at least one I/O port for transmitting and
2 receiving data from the central router and/or server.

3 In still another embodiment the gaming computer described
4 above can act as a stand alone, non-networked device. In this
5 embodiment, data is entered and tabulated on a gaming computer
6 located in the proximity of a gaming table. The raw and tabulated
7 data may be displayed on the gaming computer or may be stored on a
8 diskette or other peripheral device for access by another system.

9 A method for casino gaming table accounting comprises the
10 steps of providing a central computer and providing a plurality of
11 gaming terminals coupled to the central computer wherein each of
12 the plurality of gaming terminals is located in the proximity of a
13 gaming table.

14 Another method for casino gaming table accounting comprises
15 the steps of providing a central router and/or server and providing
16 a plurality of gaming computers coupled to the central router
17 and/or server wherein each of the plurality of gaming terminals is
18 located in the proximity of a gaming table.

19 Still another method for casino gaming accounting comprises
20 the steps of providing at least one gaming computer located in the
21 proximity of a gaming table wherein each of the at least one gaming
22 computers comprises the steps of providing a data entry device for
23 entering transaction data for transactions that occur at the gaming
24 table; providing a display for displaying the entered transaction
25 data; providing a processor for executing a software program

PATENT

1 wherein the processor reads and stores the entered transaction
2 data; providing a memory array for storing the entered transaction
3 data; and providing at least one peripheral device for outputting
4 the entered transaction data.

5 The foregoing and other objects, features, and advantages of
6 the invention will be apparent from the following, more particular,
7 description of the preferred embodiments of the invention, as
8 illustrated in the accompanying drawings.

9
10 BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS
11
12

13 Figure 1 is a system block diagram of one embodiment of the
14 present invention illustrating a computer network comprised of a
15 central computer such as a mainframe, a mini-computer or other type
16 of computer and a plurality of remote dumb gaming terminals and
17 peripheral devices.

18 Figure 2 is a system block diagram of a second embodiment of
19 the present invention illustrating a computer network comprised of
20 a central server and/or router and a plurality of remote gaming
21 computers and peripheral devices.

22 Figure 3 is a block diagram of the functions required for a
23 dumb terminal for the network embodiment of Figure 1.

24 Figure 3A is a front perspective of one embodiment of a dumb
25 gaming terminal illustrating a typical keyboard, a front and rear
(not visible) LED display, and an I/O connector.

Figure 4 is a block diagram of the functions required for a

PATENT

1 gaming computer for the network embodiment of Figure 2 or in a
2 stand-alone embodiment.

3 Figure 5 is a top view of one embodiment of a gaming keyboard
4 that may be employed at the table with either the gaming terminal
5 or the gaming computer.

6 Figure 5A is a top view of another embodiment of a gaming
7 keyboard that may be employed in proximity to a gaming table.

8 Figure 6 is a flow chart of an executive portion of a software
9 program that maintains records of gaming table transactions.

10 Figure 7 is a flow chart of a subroutine portion of a software
11 program that maintains records of gaming table transactions.

12 Figure 8 is a flow chart of another subroutine portion of a
13 software program that maintains records of gaming table
14 transactions.

15 **DETAILED DESCRIPTION OF THE INVENTION**

16 Referring to Figure 1, a system block diagram of one
17 embodiment of the present invention is shown. A gaming computer
18 network 1 comprised of a central computer 10, such as a mainframe,
19 a mini-computer or other type of computer, a plurality of remote
20 dumb gaming terminals 20 and peripheral devices 30.

21 The central computer 10 may be a dedicated computer for
22 strictly serving the dumb gaming terminals within a particular
23 casino or a group of casinos. Alternatively, the central computer
24 10 may operate on a time share basis with other users, gaming or

PATENT

1 otherwise, as in the case of a mainframe.

2 The dumb gaming terminals 20 are connected to the central
3 computer 10 by any number of interface technologies including, but
4 not limited to serial and parallel digital ports, modems, wireless
5 communication, etc. The gaming terminals 20 having little, if any,
6 processing capability themselves. In this embodiment, the gaming
7 terminals 20 serve as simple data entry devices. In the preferred
8 embodiment, each gaming table having a lock box (not shown), would
9 have a gaming terminal 20 in close proximity such that the table
10 supervisor could simultaneous manage the table operation and the
11 gaming terminal 20.

12 Referring to Figure 3, an exemplary block diagram of the type
13 of functions incorporated in a dumb gaming terminal 20 are shown.
14 The dumb gaming terminal 20 comprises a keypad or key board 21, a
15 display 22 which may either be a CRT display or a flat panel
16 display such as an LCD display, and one or more I/O ports 23. The
17 dumb gaming terminal 20 transmits data to the central computer 10
18 via one or more I/O ports 23.

19 Referring to Figure 3A, one embodiment of the dumb gaming
20 terminal 20 is illustrated. The keypad 21 for the dumb gaming
21 terminal comprises a ten digit pad on the left side and a multiple
22 button function pad on the right hand side. The multiple button
23 function pad is discussed in detail below. The dumb gaming
24 terminal 20 also has a display, which may be an LED display 22, or
25 other type of display such as LCD. The dumb gaming terminal 20 may

PATENT

1 have an LED display 22 on both the front and rear facing sections.
2 The dumb gaming terminal 20 also has an I/O connector 23 which may
3 plug into a receptacle at the gaming table for connection to the
4 system 1 (Figure 1).

5 Referring back to Figure 1, certain peripheral devices 30 are
6 shown coupled to the dumb gaming terminal 20. These peripheral
7 devices 30 include other types of data entry devices such as
8 magnetic card readers for reading credit cards, employee badges,
9 etc., as well as an optical scanner for reading such items as UPC
10 codes that may accompany gaming chips. Other peripheral devices 30
11 may include memory devices such as diskette or magnetic tape
12 storage.

13 Referring to Figure 2, a system block diagram of a second
14 embodiment of the present invention illustrating a computer network
15 2 comprised of a central server and/or router 40, a plurality of
16 remote gaming computers 50 and peripheral devices 60. The
17 peripheral devices 60 are similar to those described above for the
18 previous embodiment. However, the peripheral devices 60 may have
19 attributes, such as interface requirements, particular to the
20 gaming terminals 50.

21 The primary task of the central server/router 40 is to
22 interconnect the network of gaming computers 50. In a simple
23 networking embodiment, only a central router 40 is required to
24 permit communication as between gaming computers 50. File storage
25 and program execution takes place locally at each of the gaming

PATENT

1 computers 50.

2 However, in a more complex networking embodiment, a central
3 server 40 may be implemented primarily for the purpose of storing
4 common files and software. Each of the networked gaming computers
5 50 would have access to and could download the data stored on the
6 central server.

7 The gaming computers 50 are connected to the central
8 server/router 40 by any number of interface technologies including,
9 but not limited to serial and parallel digital ports, i.e.
10 Ethernet, modems, wireless communication, etc. The gaming
11 computers 50 having full processing capability, as would be found
12 for example, in personal computers. Thus, the gaming computer 50
13 not only serves as a data entry device, but also executes a
14 software program that itemizes, computes and stores all
15 transactions at the relevant gaming table. In the preferred
16 embodiment, each gaming table having a lock box (not shown) would
17 have a gaming computer 50 in close proximity such that the table
18 supervisor could simultaneous manage the table operation and the
19 gaming computer 50.

20 Referring to Figure 4, an exemplary block diagram of the type
21 of functions incorporated in a gaming computer 50 are shown. The
22 gaming computer 50 comprises a processor or CPU 51 coupled to data
23 (DM) 52 and program (PM) 53 memory, a keypad or key board 54, a
24 display 55 which may either be a CRT display or a flat panel
25 display such as an LCD display, and one or more I/O ports 56. The

PATENT

1 gaming computer DM 52 and PM 53 memory may be either volatile or
2 non-volatile memory or a combination of both.

3 It may be noted here that the gaming computers 50 of Figure 4
4 may be implemented in a network 2 as shown in Figure 2 or may be
5 implemented as a stand alone system, i.e. independent. Non-
6 networked devices. If implemented as a stand alone system, then
7 there is no requirement for a central server/router 40. Thus, for
8 a stand alone system, each gaming computer 50 acts independently to
9 record the transactions at the assigned gaming table.

10 A typical keyboard or keypad (hereinafter keypad) for either
11 the gaming terminal 20 of Figure 3 or the gaming computer 50 of
12 Figure 4 is functionally shown in Figure 3A. The keyboard may be
13 constructed using various technologies, including but not limited
14 to, membrane, molded plastic, etc.

15 One portion of the keypad is comprised of ten digit numeric
16 entry keys (0-9). Another portion of the keypad is comprised of
17 multiple function keys arranged in two columns. The Cash key is
18 for cash transactions. The Marker key is for entering transactions
19 related to the issuance of credit. Marker Repay key is for
20 entering transactions relating to the repayment of credit or
21 markers. The Inventory key is for entering transactions related to
22 the inventory of chips. The Accept key is for acknowledging the
23 previously entered transaction. Another key on the keypad is the
24 Open Session key, which is used for either the beginning of a
25 session or the beginning of a dealer's shift. The Close Session

PATENT

1 key is used for either the close of a session or the close of a
2 dealer's shift. If desired, another key can be used (not shown)
3 for identification of the dealer. The Fill key is used for
4 transactions related to the transfer of chips from the cashier's
5 cage to the table. The Credit key is for entering credits for the
6 transfer of chips to the cashier's cage from the table. The Cancel
7 key is for canceling previously entered numeric data.

8 Figure 5 depicts one possible location of a keypad of the type
9 shown in Figure 3A associated with, for example, a "21" or
10 Blackjack table. Preferably, the keypad is located near the slot
11 to the lock box, however, if desired, this location can be varied.
12

13 Figure 5A depicts another type of gaming table (i.e. a crap
14 table) and one possible location of a keypad near a crap dealer
(not shown).

15 The gaming computer 50 of Figure 2 executes a software program
16 that records the gaming table transactions. For the embodiment of
17 Figure 1, the central computer 10 will execute a software program
18 similar to the one described below. A simplified form of such a
19 software program 200 is shown in Figures 6, 7 and 8.

20 Referring to Figure 6, when the program 200 initializes
21 certain variables are set during the start sequence 210. The
22 program 200 polls the keyboard to determine if a function key has
23 been selected. The selected function key is read 215. If the
24 selected key is the Open/Close key 220, the program calls the
25 subroutine "OC" 280. If any other function key is read 225-245,

PATENT

1 then the program calls the subroutine "TYPE" 290. If no function
2 key has been selected, the display is cleared 250 and the program
3 loops to poll the keyboard.

4 Referring to Figure 7, the subroutine "OC" 281 processes an
5 opening or closing of the session. The dealer is prompted for an
6 ID number 282. After entering the ID number, which appears on the
7 display, the dealer must accept or cancel the entry 283. If the
8 session flag is not on 284, which means the opening of a new
9 session, the flag is toggled to on 285, and the entry is saved as
10 "open" 286. From this branch, the subroutine returns to the main
11 program 289. If the session flag is set to on, which means the
12 session is now to be closed, the flag is toggled off 287, and the
13 entry is saved as "closed" 288. From this branch, the subroutine
14 returns to the main program 289.

15 Referring to Figure 8, the subroutine "TYPE" 291 processes the
16 particular table transaction as selected. The dealer enters the
17 amount of the transaction 292 which is displayed by the TYPE.
18 After entry of the amount on the numeric portion of the keypad, the
19 dealer must accept or cancel the transaction displayed 293 (e.g.
20 cash, credit, etc.). If the dealer cancels the transaction, the
21 TYPE and amount are cleared from the display and from memory 197.
22 From this branch, the subroutine returns to the main program 299.
23 If the dealer accepts the transaction, the TYPE and amount of the
24 transaction are stored 298. From this branch, the subroutine
25 returns to the main program 299.

PATENT

1 Furthermore, simple I/O subroutines would permit periodic or
2 on demand reporting to a central server 40 or casino management
3 gaming computer 50 in the embodiment of Figure 2.

4 Although the invention has been particularly shown and
5 described with reference to a preferred embodiment thereof, it will
6 be understood by those skilled in the art that changes in form and
7 detail may be made therein without departing from the spirit and
8 scope of the invention.

PATENT

1 WHAT IS CLAIMED IS:

2 1. A casino gaming table accounting system comprising, in
3 combination: a central computer; and

4 a plurality of gaming terminals coupled to the central
5 computer wherein each of the plurality of gaming terminals is
6 located in the proximity of a gaming table.

7

8 2. The system of Claim 1 wherein each of the plurality of gaming
9 terminals comprises:

10 a data entry device for entering transaction data for
11 transactions that occur at the gaming table;

12 a display for displaying the entered transaction data; and
13 at least one I/O port for transmitting data to the central
14 computer.

15

16 3. The system of Claim 3 wherein each of the gaming terminals
17 transmits the entered transaction data to the central computer.

18

19 4. The system of Claim 3 wherein the central computer executes a
20 software program which maintains records of the entered transaction
21 data for each of the plurality of gaming terminals.

PATENT

1 5. The system of Claim 1 further comprising at least one peripheral
2 device coupled to at least one of the plurality of gaming
3 terminals.

4

5 6. A casino gaming table accounting system comprising, in
6 combination:

7 a central router; and

8 a plurality of gaming computers coupled to the central router
9 wherein each of the plurality of gaming terminals is located in the
10 proximity of a gaming table.

11

12 7. The system of Claim 6 wherein each of the plurality of gaming
13 computers comprises:

14 a data entry device for entering transaction data for
15 transactions that occur at the gaming table;

16 a display for displaying the entered transaction data;

17 a processor for executing a software program wherein the
18 processor reads and stores the entered transaction data;

19 a memory array for storing the entered transaction data; and

20 at least one I/O port for transmitting and receiving data from
21 the central router.

22

23 8. The system of Claim 7 wherein each of the gaming computers
24 executes a software program which maintains records of the entered
25 transaction data for each of the plurality of gaming tables.

PATENT

1 9. The system of Claim 6 further comprising a central server
2 coupled to the central router for storing at least one data file
3 that may be accessed by at least one of the plurality of gaming
4 computers.

5

6 10. The system of Claim 6 further comprising a central server
7 coupled to the central router for storing at least one software
8 program that may be accessed by at least one of the plurality of
9 gaming computers.

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

11. The system of Claim 6 further comprising at least one
12 peripheral device coupled to at least one of the plurality of
13 gaming computers.

12. A casino gaming computer located in the proximity of a gaming
table and comprising, in combination:

17 a data entry device for entering transaction data for
18 transactions that occur at the gaming table;

19 a display for displaying the entered transaction data;

20 a processor for executing a software program wherein the
21 processor reads and stores the entered transaction data;

22 a memory array for storing the entered transaction data; and

23 at least one peripheral device for outputting the entered
24 transaction data.

PATENT

1 13. A method for casino gaming table accounting comprising the
2 steps of:

3 providing a central computer; and

4 providing a plurality of gaming terminals coupled to the
5 central computer wherein each of the plurality of gaming terminals
6 is located in the proximity of a gaming table.

7

8 14. The method of Claim 13 wherein the step of providing the
9 plurality of gaming terminals further comprises the steps of:

10 providing a data entry device for entering transaction data
11 for transactions that occur at the gaming table;

12 providing a display for displaying the entered transaction
13 data; and

14 providing at least one I/O port for transmitting data to the
15 central computer.

16

17 15. The method of Claim 14 wherein each of the gaming terminals
18 transmits the entered transaction data to the central computer.

19

20 16. The method of Claim 15 wherein the central computer executes a
21 software program which maintains records of the entered transaction
22 data for each of the plurality of gaming terminals.

PATENT

1 17. The method of Claim 13 further comprising the step of providing
2 at least one peripheral device coupled to at least one of the
3 plurality of gaming terminals.

4

5 18. A method for casino gaming table accounting comprising the
6 steps of:

7 providing a central router; and

8 providing a plurality of gaming computers coupled to the
9 central router wherein each of the plurality of gaming terminals is
10 located in the proximity of a gaming table.

11

12 19. The method of Claim 18 wherein the step of providing the
13 plurality of gaming computers comprises the steps of:

14 providing a data entry device for entering transaction data
15 for transactions that occur at the gaming table;

16 providing a display for displaying the entered transaction
17 data;

18 providing a processor for executing a software program wherein
19 the processor reads and stores the entered transaction data;

20 providing a memory array for storing the entered transaction
21 data; and

22 providing at least one I/O port for transmitting and receiving
23 data from the central router.

24

25

PATENT

1 20. The method of Claim 19 wherein each of the gaming computers
2 executes a software program which maintains records of the entered
3 transaction data for each of the plurality of gaming tables.
4

5 21. The method of Claim 18 further comprising the step of providing
6 a central server coupled to the central router for storing at least
7 one data file that may be accessed by at least one of the plurality
8 of gaming computers.

9
10 22. The method of Claim 18 further comprising the step of providing
11 a central server coupled to the central router for storing at least
12 one software program that may be accessed by at least one of the
13 plurality of gaming computers.

14
15 23. The method of Claim 18 further comprising the step of providing
16 at least one peripheral device coupled to at least one of the
17 plurality of gaming computers.

PATENT

1 24. A method for casino gaming accounting comprising the steps of
2 providing at least one gaming computer located in the
3 proximity of a gaming table wherein each of the at least one gaming
4 computers comprises the steps of:

5 providing a data entry device for entering transaction
6 data for transactions that occur at the gaming table;

7 providing a display for displaying the entered
8 transaction data;

9 providing a processor for executing a software program
10 wherein the processor reads and stores the entered transaction
11 data;

12 providing a memory array for storing the entered
13 transaction data; and

14 providing at least one peripheral device for outputting
15 the entered transaction data.

PATENT

ABSTRACT OF THE DISCLOSURE

2 A computer system for accounting for transactions at casino
3 gaming tables relies upon data entry of the transaction at the
4 gaming table by means of either a gaming terminal or a gaming
5 computer. One embodiment of the invention connects each of the
6 gaming terminals to a central computer. Another embodiment of the
7 invention networks each of the gaming computers to a central server
8 and/or router. In another embodiment, each gaming computer may act
9 as a stand alone, non-networked device.

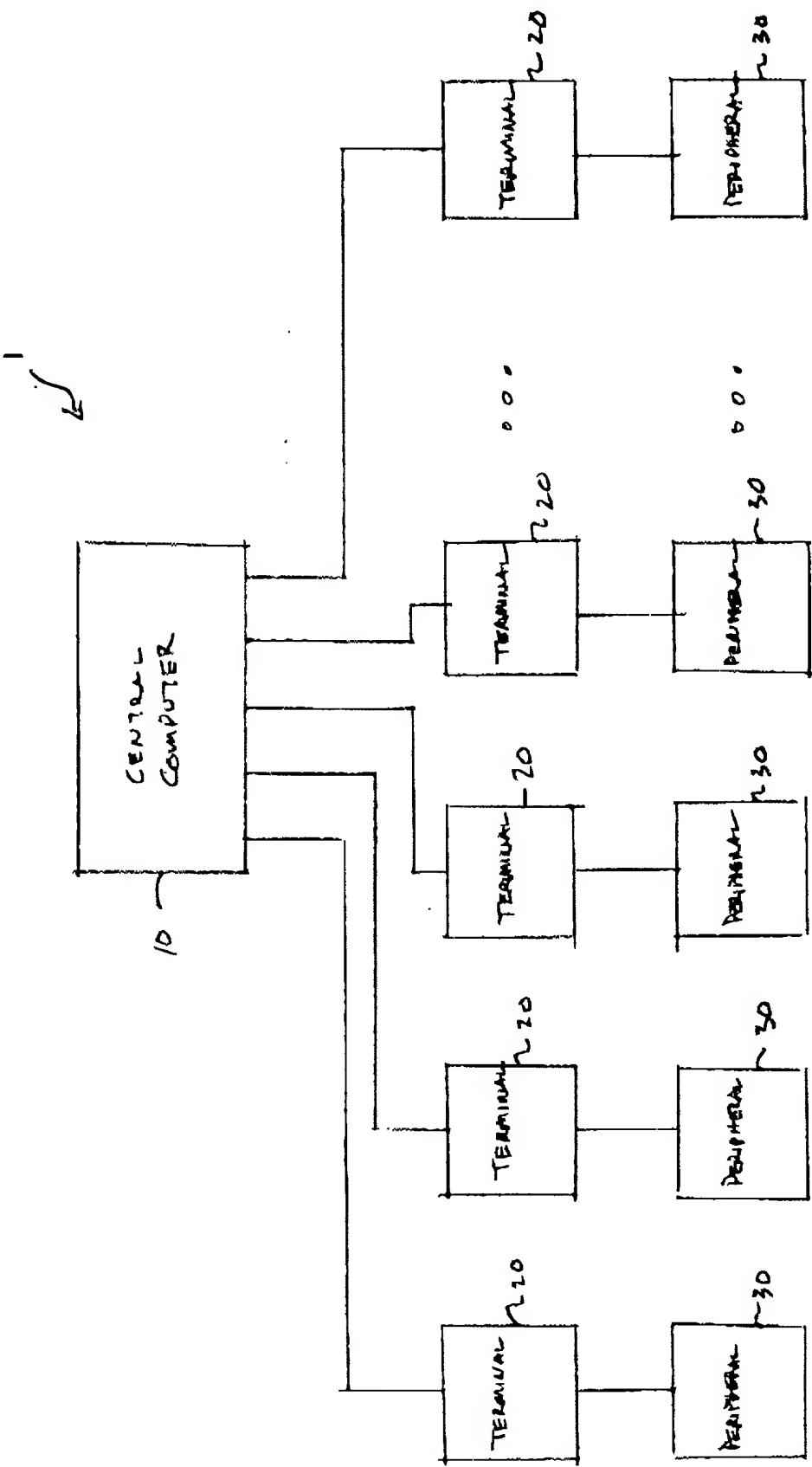
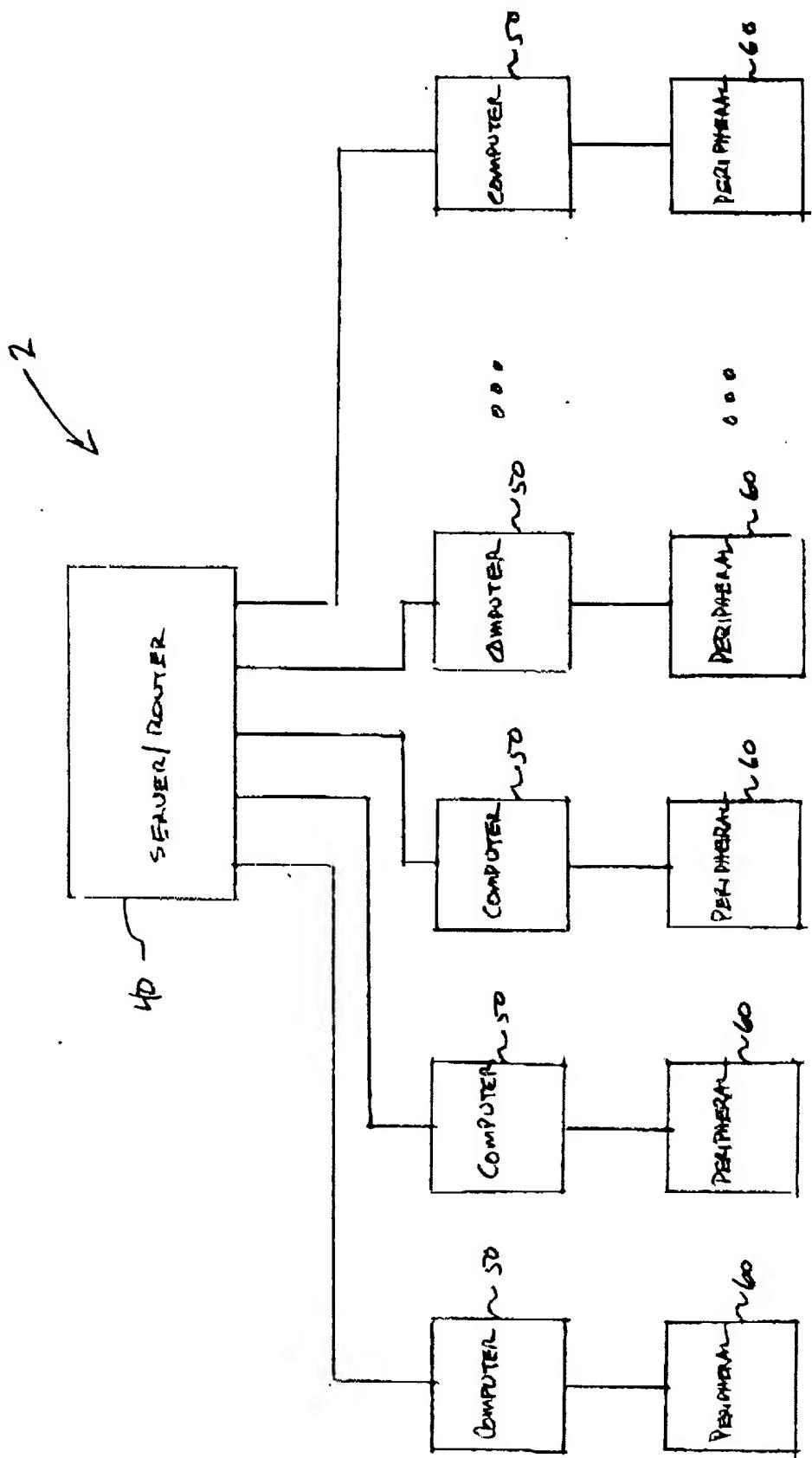


Fig. 1



F-62

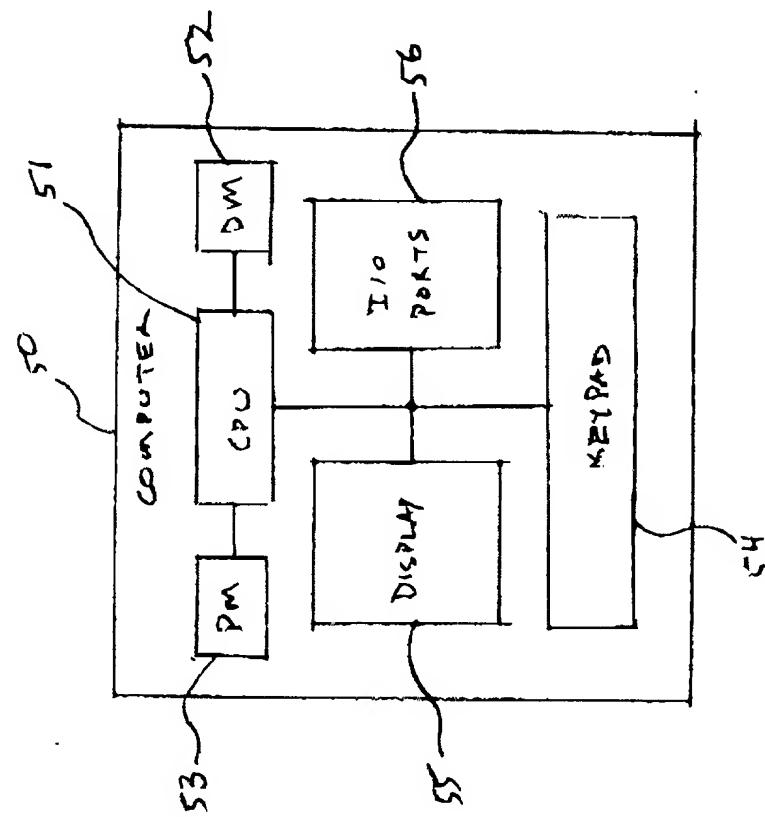


FIG. 4

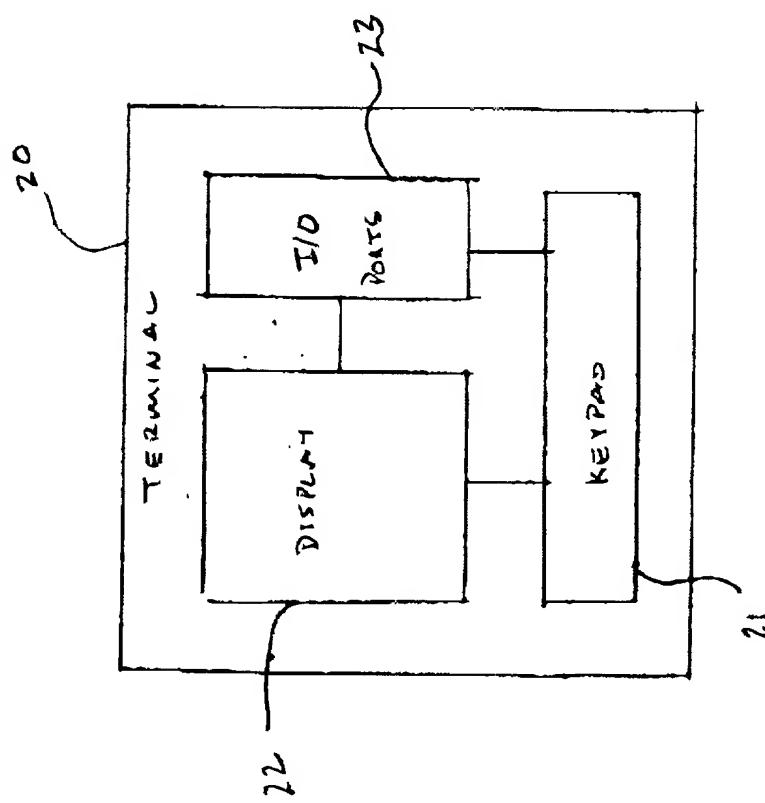


FIG. 3

DISPLAY ON BOTH SIDES

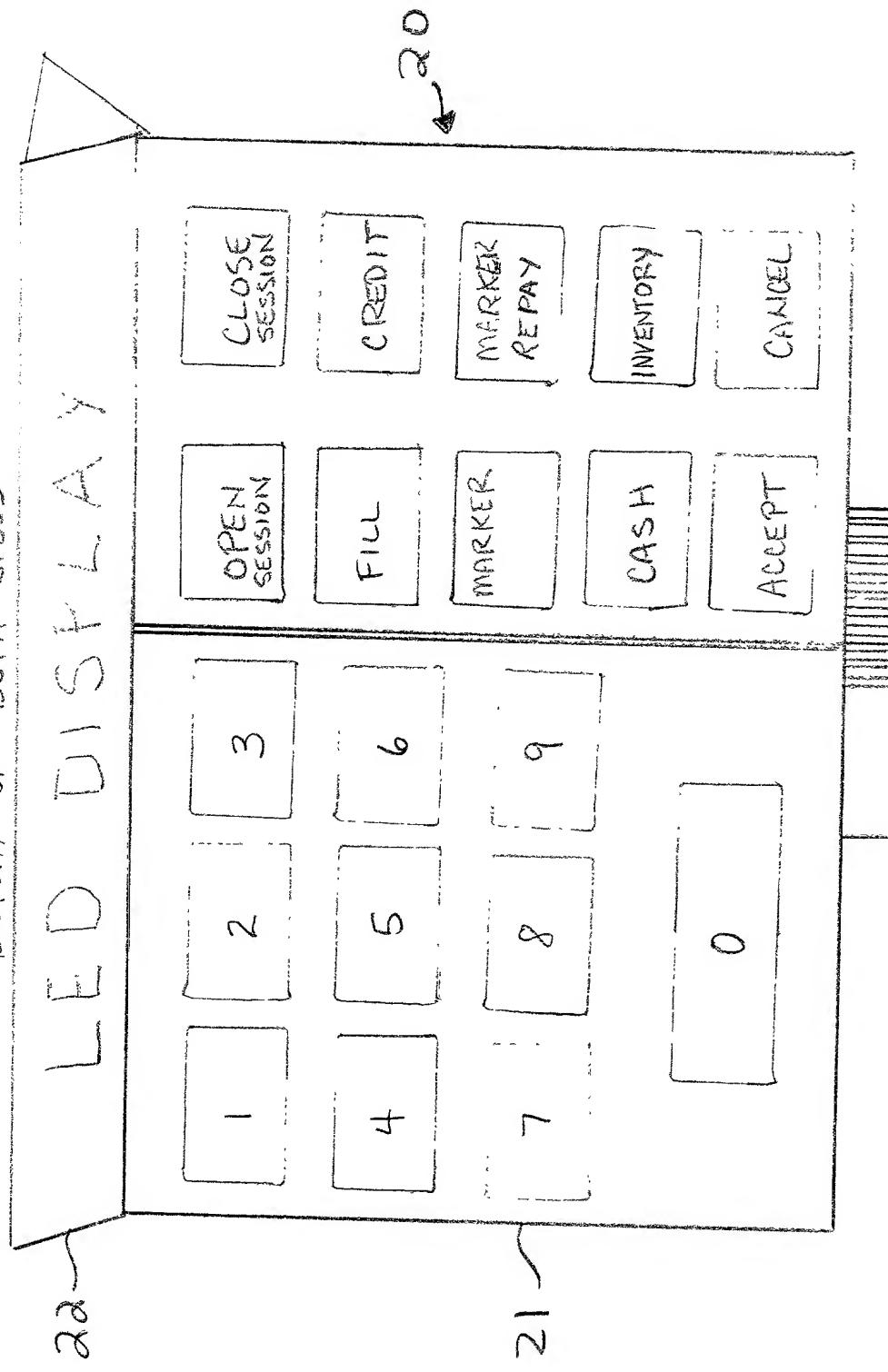
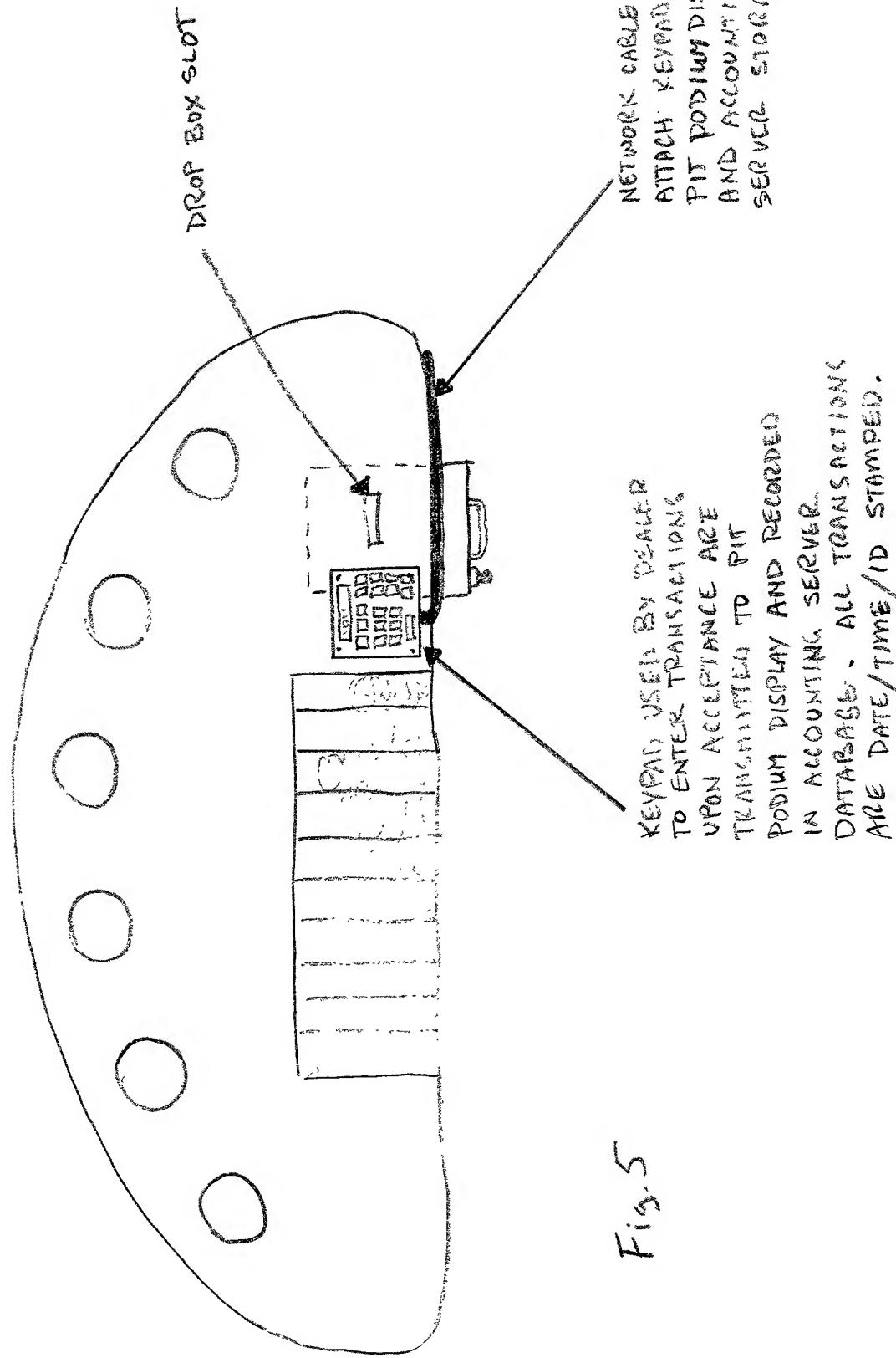


Fig. 3A

REAL TIME COLLECTION OF
TABLE TRANSACTIONS FOR INTEGRATION = COUNTING & COUNTING
PIT DISPLAY AND AUDITING PERFORMANCE.



INTEGRATION INTO UNUSUAL SURFACE
TABLES OR TABLES WITH LIMITED SURFACE.

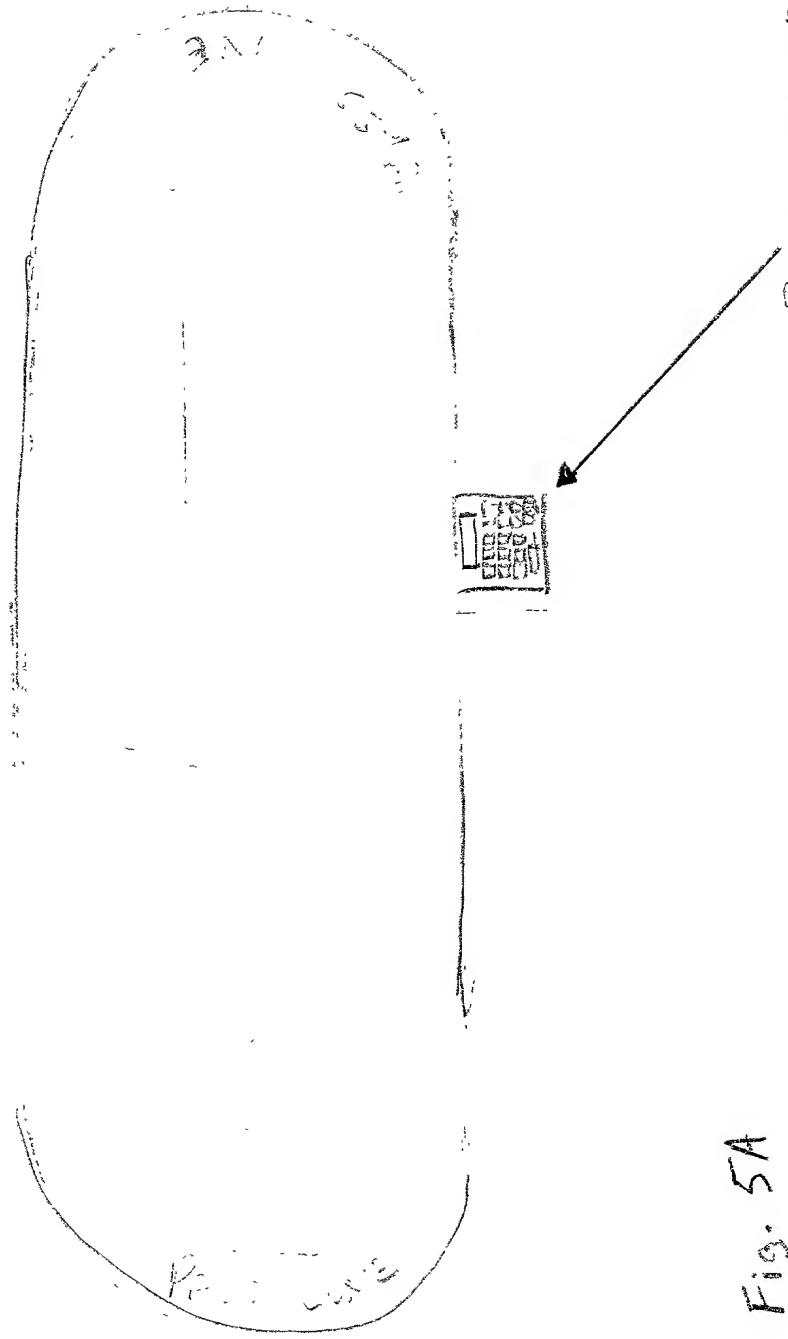


Fig. 5A

PORTABLE KEYBOARD ATTACHED TO
THE SIDE OF TABLE OR FLOATING
PORTABLE TO BE PLACED IN PROXIMITY
OF TABLE. CONNECT WITH CABLE
MAY VARY DEPENDING ON
REQUIREMENTS OF INTEGRATION.

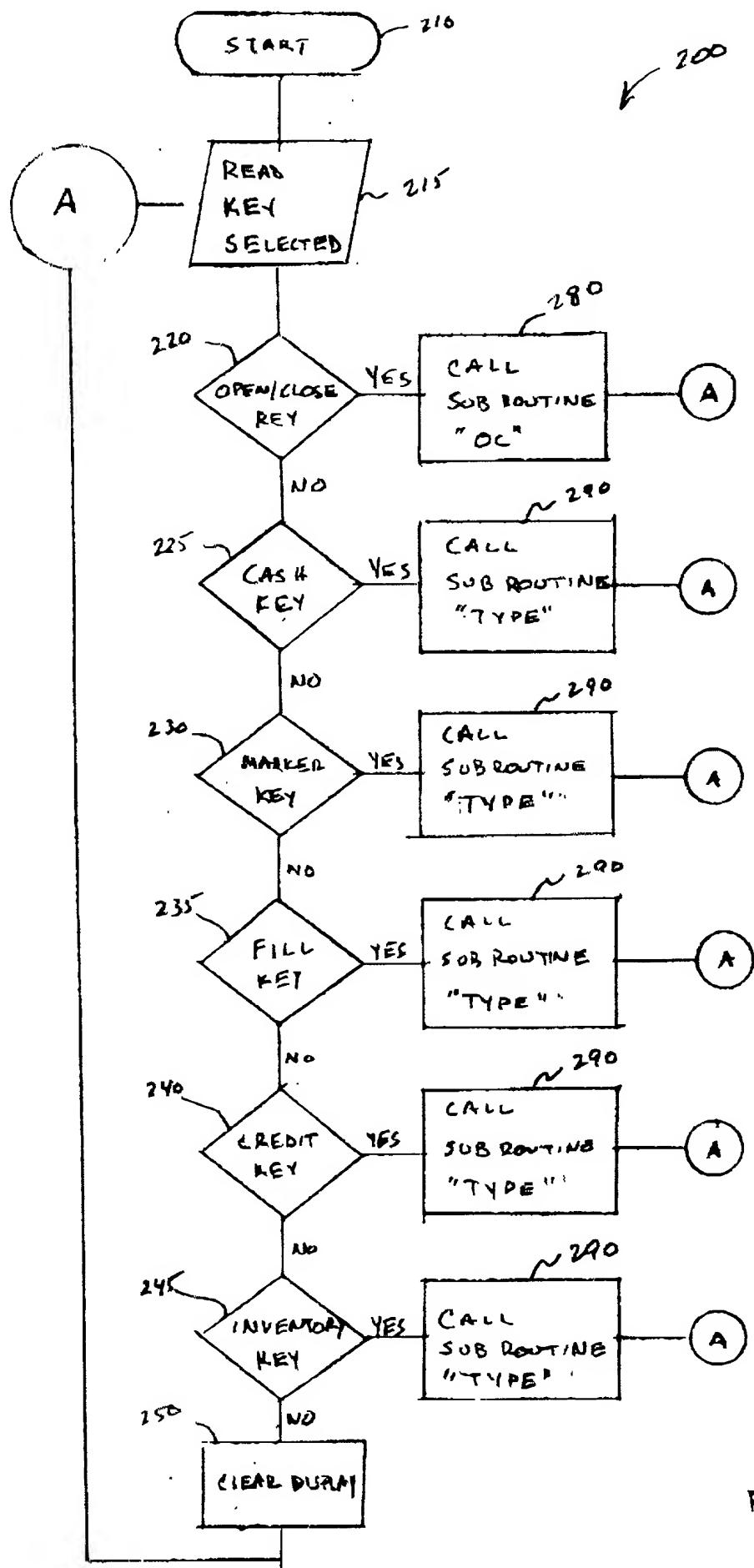


FIG 6

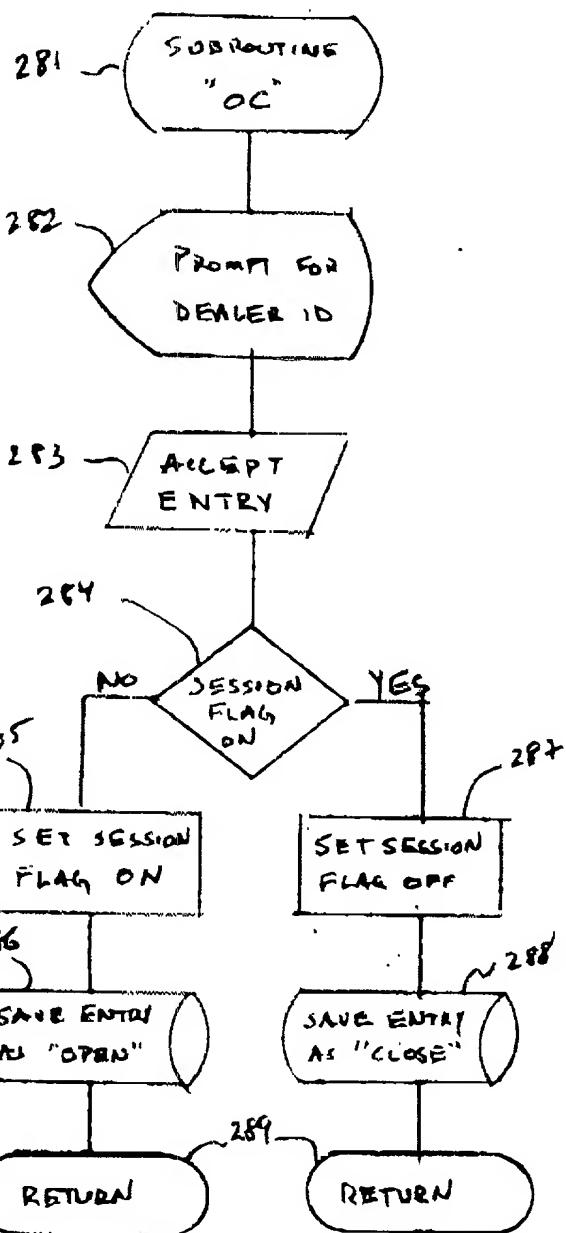


FIG 7

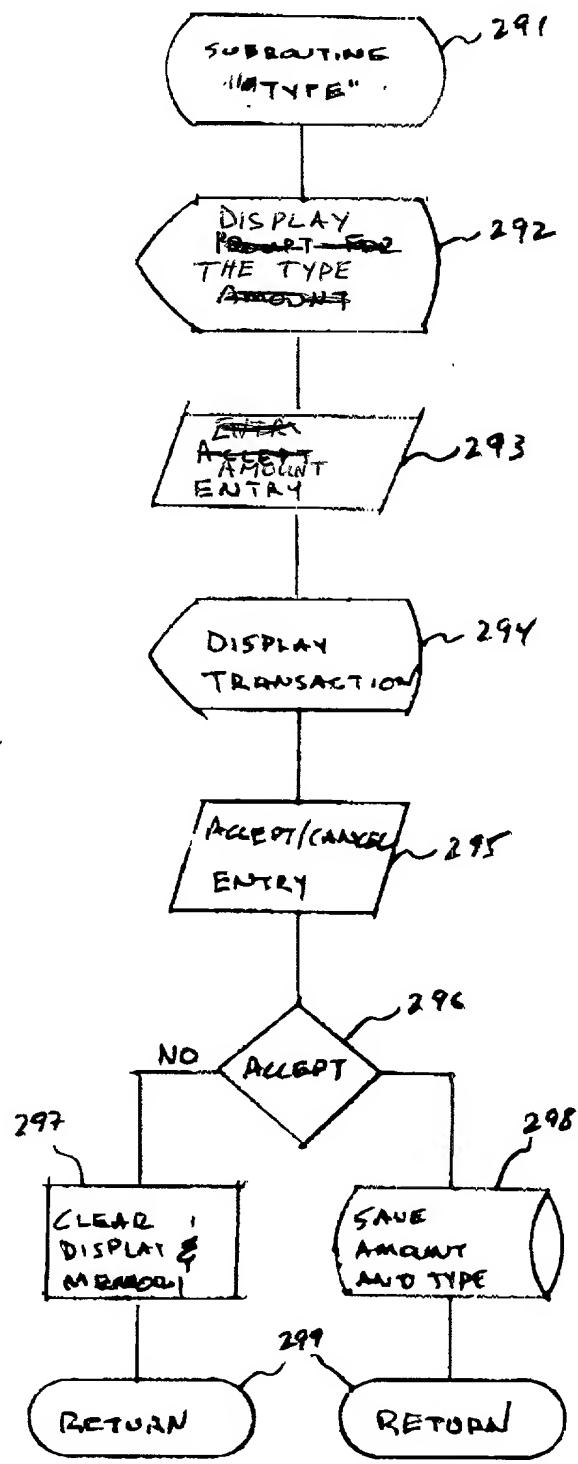


FIG 8

DECLARATION OF PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "ACCOUNTING SYSTEM AND METHOD FOR CASINO GAME REVENUE", the specification of which is attached hereto unless the following box is checked:

was filed on _____ as United States Application Number or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)
Priority Claimed

NUMBER	COUNTRY	DATE/MONTH/YEAR FILED	<input type="checkbox"/> YES	<input type="checkbox"/> NO
NUMBER	COUNTRY	DATE/MONTH/YEAR FILED	<input type="checkbox"/> YES	<input type="checkbox"/> NO
NUMBER	COUNTRY	DATE/MONTH/YEAR FILED	<input type="checkbox"/> YES	<input type="checkbox"/> NO

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

APPLICATION NO. FILING DATE STATUS-PATENTED, PENDING, ABANDONED

APPLICATION NO. FILING DATE STATUS-PATENTED, PENDING, ABANDONED

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

HARRY M. WEISS & ASSOCIATES, P.C.

Address all telephone calls to Harry M. Weiss at telephone no. (480) 994-8888

Address all correspondence to HARRY M. WEISS & ASSOCIATES, P.C.
4204 North Brown Avenue
Scottsdale, AZ 85251

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor IRA W. BRADSHAW

Inventor's signature IRA W. BRADSHAW

Date 8/15/99

Residence 3012 PALM VIEW DRIVE, LAS VEGAS, NV 89130

Citizenship UNITED STATES

Post Office Address Same as residence

SEARCHED INDEXED SERIALIZED FILED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: IRA W. BRADSHAW

TITLE OF APPLICATION: ACCOUNTING SYSTEM AND METHOD FOR CASINO
GAME REVENUE

Assistant Commissioner
For Patents
Washington, D.C. 20231

Harry M. Weiss & Associates, P.C.
4204 North Brown Avenue
Scottsdale, Arizona 85251-3914

POWER OF ATTORNEY

Dear Sir:

I hereby appoint the following Patent Firm, Patent Attorney and Patent Agent to prosecute this Application and to transact all business in the U.S. Patent and Trademark Office in connection herewith: HARRY M. WEISS & ASSOCIATES, P.C., 4204 North Brown Avenue, Scottsdale, Arizona 85251-3914; and individuals thereof: Harry M. Weiss Registration No. 19,497, Jeffrey Weiss Registration No. P-45,207 and Paul W. Davis Registration No. P-44,645 who can be reached at telephone number (480) 994-8888.

Name of inventor: IRA W. BRADSHAW

Inventor's signature: Irvin W. Bradshaw

Date: 8/15/99

Residence: 3012 PALM VIEW DRIVE, LAS VEGAS, NV 89130

Post Office Address: SAME AS RESIDENCE

Citizenship: United States of America